Submersible Pump
Model SM2E65-X3.5
Size 2”

PUMP SPECIFICATIONS
MSHA PUMP APPROVAL NO. 2G-3971A-0.
COMMONWEALTH OF PENNSYLVANIA APPROVAL NO. BFE-637-77.
Suction Casing: Stainless Steel CD4MCu;
  Maximum Operating Pressure 47 psi (324 kPa).*
Impeller: Stainless Steel CD4MCu.
Seal Plate: Stainless Steel CD4MCu.
Motor Housing: Stainless Steel 316.
Motor Shaft: Stainless Steel 316.
Bearings: Upper and Lower, Two Synthetic Seals, Single Row Ball Bearing.
Discharge Flange: Stainless Steel 316.
Gaskets: Buna-N and Compressed Synthetic Fibers.
O-Rings: Buna-N and Fluorocarbon (DuPont Viton® or Equivalent).
Wetted Hardware: Standard Plated Steel and Stainless Steel.
Hoisting Bail: Stainless Steel 316.

Standard Equipment
NEMA Type 10 Explosion Proof Control Box:
  Provides On-Off, Circuit Breaker and Motor Overload Protection.
MSHA Certification No. X/P-3026-1.
Optional Equipment
Staging Adapter Kit.
MSHA-Certified Automatic Control Box, Single Ball Type Float Switch.**
**Cable Lengths From 50 to 400 Feet Available.
MOTOR/CABLE SPECIFICATIONS
Motor: Air Filled Enclosure.3.5 H.P.; 3450 R.P.M.; 60 Hz.
  Three Phase, 460/575 Volt, 4.5/3.6 Full Load AMPS, 3.2 kW (Max.).
MSHA Certification No. X/P-3142-1.
Power Cable: 7 Wire, Type SPC; (3) 12 AWG Power Conductors, (2) 14 AWG
  Control Conductors, (1) 10 AWG Ground Conductor and (1) 14 AWG
  Ground Check Conductor. Nominal Length 50 Feet (15 m) Standard.
*** Circuit Breaker Amp Rating and Maximum Combined Length of Motor and
  Trailing Cables May Apply (Consult Factory for Details).

SEAL SPECIFICATIONS
Tandem, Oil Lubricated.
Upper: Type 22, Mechanical. Cast Iron Rotating Face, and
  Carbon Stationary Face. Buna-N Elastomers. Carbon
  Steel Spring and Plated Steel Cage.
Lower: Type 2, Mechanical. Tungsten Carbide Rotating and
  Stationary Faces. Fluorocarbon Elastomers (DuPont
  Viton® or Equivalent). Stainless Steel 316 Cage, Spring
  and Stationary Seat.
Maximum Temperature of Liquid Pumped 122°F (50°C).*
* Consult Factory for Applications Exceeding
  Maximum Pressure and/or Temperature Indicated.